

CLAIMS

WHAT IS CLAIMED IS:

1. A process for forming an isotropic thermotropic
5 liquid crystalline part, comprising:

(a) optionally forming a molding composition of a
powdered thermotropic liquid crystalline polymer, and
optionally

(i) one or more other powdered resins; or
10 (ii) one or more fillers; or
(iii) one or more other powdered resins and
one or more fillers;

(b) placing said molding composition into a mold
or molding device;

15 (c) applying pressure, and sufficient heat to melt
said thermotropic liquid crystalline polymer; and

(d) cooling said mold or molding device to
solidify said thermotropic liquid crystalline polymer to
form a solid part;

20 and provided that said solid part is isotropic.

2. An apparatus, comprising, an isotropic part which
comprises a thermotropic liquid crystalline polymer on
25 which is mounted one or more electric or electronic
components.

3. An improved process for reducing wear between a
30 first part having a first surface comprising a
thermoplastic, and a second part having a second surface,
said first and second surfaces being in contact with one
another and moving with respect to one another, wherein
the improvement comprises, said first part being isotropic
35 and comprising a thermotropic liquid crystalline polymer.

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4. An article according to Claim 1 or 3 which are
labrinyth seals, bearings, vacuum pump vanes, hot runner
inserts, rolls, LCD sputtering holders, valves, thrust
washers, computer chip contactors and nests or CMP
5 retaining rings or components in semiconductor
manufacturing, oil production, or clean room operation.